

## **BPA-1 Hazard Assessment**

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## **I. Introduction**

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### **A. Purpose**

The City of Newark, New Jersey Hazard Assessment identifies hazards and describes consequences which can potentially harm residents and first responders, damage property, and diminish economic activity within City of Newark. The Hazard Assessment identifies those hazards for which organizations must mitigate, prepare, respond, and recover in order to minimize the effects of disasters and emergencies. As a result, the document serves as the basis for the City of Newark emergency management program and operational planning that is specific to City of Newark locations and functions.

### **B. Document Organization**

The Hazard Assessment includes the following sections:

- Section I: Introduction describes the purpose of the Hazard Assessment, how the document is organized, and the process used to identify hazards, relative risk, consequences, and capabilities
- Section II: Hazard Identification describes hazards that can adversely affect the City of Newark
- Section III: Risk Assessment identifies the relative risk from hazards taking into account the probability, impacts, and advance warning
- Section IV: Consequence Assessment describes the consequences of each hazard and relates these results to the fifteen (15) Emergency Support Functions (ESF)
- Section V: Capability Assessment identifies the ability of City of Newark to address the consequences of each hazard

### **C. Scope and Assumptions**

The Hazard Assessment is designed to be a reference document to guide future planning efforts. It is intended to be a useful tool for City of Newark personnel to discuss hazards and consequences. The document represents a summary of available published material and provides a subjective evaluation of the risk and consequences posed by certain hazards.

The Hazard Assessment does not provide policy or action-based recommendations to manage hazards. It is not, nor is it intended to be, a rigorous or scientific analysis. It may not contain all incidents that have impacted nor could impact City of Newark.

The Hazard Assessment is intended to be the start of an on-going process, and should be reviewed and updated periodically (see Base Plan Section VIII: Plan Development and Maintenance).

## **D. Methodology**

The Hazard Assessment describes past and potential hazards and provides an assessment of the emergency management consequences. The Hazard Assessment methodology consists of four components:

- Hazard Identification – Thirty-two (32) potential hazards were identified from a review of existing state, county, and municipal hazard mitigation plans (HMP) and emergency operations plans (EOP):

The identified hazards were categorized per the following:

- Natural
  - Technological
  - Intentional acts (human caused)
  - Utility
  - Biological
- Risk Assessment - This analysis involved review of both historical and statistical data, and appropriate jurisdictional, multi-jurisdictional, and/or regional plans. Relative risk values were assigned per the following:
    - Probability of future occurrence
    - Potential severity of impacts
    - Advance warning

The risk values were then combined to provide overall relative risk rankings.

- Consequence Assessment - Consequences of hazards that were ranked as high risk were described and then, specifically related to each of the fifteen (15) ESFs.
- Capability Assessment – This assessment addresses the adequacy of equipment and resources required to respond to and recover from impacts and consequences of the identified hazards.

## II. Hazard Identification

City of Newark is susceptible to a number of different hazards. These hazards have the potential to cause injuries, loss of life, property damage, and economic hardship. Hazards included in the Hazard Assessment are identified in Table BPA 1-1 and were selected per review of the following:

- State of New Jersey Hazard Mitigation Plan (2011)
- State of New Jersey Emergency Operations Plan (2010)
- Essex County Hazard Mitigation Plan (2008)
- City of Newark Emergency Operations Plan (2008)

**Table BPA 1-1: Hazard Identification**

Hazard	NJ HMP	NJ EOP	Essex County HMP	City of Newark EOP
<b>Natural Hazards</b>				
Coastal Erosion	X			
Drought	X	X	X	X
Earthquakes	X	X	X	X
Extreme Heat	X		X	X
Floods	X	X	X	X
Geologic Hazards of Landslides, Sinkholes, and Subsidence Occurrence	X	X		X
Hail	X		Thunderstorm	X
Hurricanes and Tropical Storms	X	Hurricanes	X	X
Lightning			Thunderstorm	X
Nor'easters	X	X	Coastal Storm / Nor'easter / Hurricane	X
Tornadoes and High Winds	X	Tornadoes	X	X
Wildfire	X		X	Urban Fire
Winter Storms	X	X	X	X
<b>Technological Hazards</b>				
Aircraft Accidents		X		X
Dam Failures		X	X	X
Hazardous Waste (Fixed-Site) Incidents	X	Hazards Waste / Materials	Hazardous Materials Incident	Hazardous Materials Incident
Hazardous Waste (Transportation) Incidents	X	Hazards Waste / Materials	Hazardous Materials Incident	Hazardous Materials Incident
Hazardous Waste – Offshore	X	Hazards Waste / Materials	Hazardous Materials Incident	Hazardous Materials Incident
Highway Accidents		X	Roadway Failure/ Bridge Failure	X
Nuclear Hazard Incidents	X	Nuclear Accidents		Radiological Accident
Pipeline Explosions		X		X
Train Derailment				Train Derailment (Passenger)

Hazard	NJ HMP	NJ EOP	Essex County HMP	City of Newark EOP
<b>Intentional Acts (Human Caused)</b>				
Civil Unrest Incidents	X	Civil Disturbances		Civil Disorder
Cyber Sabotage		X		Cyber Terrorism
School Violence				X
Terrorism Incidents	X	X	X	X
<b>Utility</b>				
Power Outage Incidents	X	Energy Emergencies	X	Utility Disruption
<b>Biological Hazards</b>				
Animal Disease Incidents	X	Infectious Disease (Human and Animal)		X
Crop Failure Incidents	X			
Fishing Failure Incidents*	X			
Pandemic Incidents	X	Infectious Disease (Human and Animal)		Pandemic Disease
Terrorism Incidents	X	X	X	Biological Attack

**Notes:**

- The table indicates when a hazard is referenced by a different name in an existing document. The hazards indicated as being part of the City of Newark EOP are those which will be utilized throughout the remainder of this document.
- Hazards are considered in the Hazard Assessment are consistent with hazards recommended for consideration by *CPG 201: Threat and Hazard Identification and Risk Assessment Guide*, as well as with other existing local and state planning guidance documents.
- “Fishing Failure” has been excluded as it is not expected to have direct consequences for City of Newark Emergency Support Functions.
- Detailed hazard profiles, including descriptions of the hazards and historic occurrences are included in the State of New Jersey Hazard Mitigation Plan, the State of New Jersey Emergency Operations Plan, as well as Essex County Hazard Mitigation Plan; that information is not repeated in this document.
- Terrorist / Enemy Attack includes: Nuclear Detonation, Chemical Attack, Radiological Attack, and Explosive Attack.
- Biological Attack includes: Infectious Disease and Foreign Animal Disease.

### III. Risk Assessment

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#### A. Overview

Risk can be defined as exposure of someone or something of value to injury, damage, or loss. Risk assessment provides a way to determine the level or degree of risk related to identified hazards. The determination can be [quantitative](#) or [qualitative](#) or employ aspects of both depending on what information is available and how the assessment results are to be applied.

Quantitative risk assessment requires detailed information about the magnitude of potential damages or losses and the probability that the loss will occur. The results of this type of assessment tend to be expressed in monetary terms such as anticipated annual losses. Quantitative risk assessment is useful for determining the cost effectiveness of hazard mitigation projects, i.e., determining if a proposed mitigation project will sufficiently reduce annual losses over the life of the project to offset the cost of the implementing and maintaining the project. It is a necessary step in assuring that limited resources are spent as efficiently as possible.

Qualitative risk assessment requires less detailed information and provides results that indicate relative significance of identified hazards, e.g., using descriptive terms such as “high”, “moderate”, or “low” relative risk. The results of a qualitative risk assessment are useful in guiding preparedness activities related to emergency operations. Emergency operations need to be prepared for all hazards but emphasis can be placed on the hazards that present the highest relative risk, especially in situations where available resources are limited.

A hybrid of these two techniques can be employed when limited quantitative information is available. For example, information about probability for identified hazards can be based on common experience, expert opinion, and/or other studies even though little or no information about the magnitude of potential damages or losses is available. The results are still essentially qualitative but provide improved guidance for preparedness activities. This latter approach is applicable for emergency operations planning and is used in the following risk assessment for City of Newark.

#### B. Risk Factors

The risk assessment process incorporates a number of factors to determine the relative risk for the hazards identified in Section II including probability, potential impacts, and advance warning.

**Probability** – involves a qualitative estimate of how often a hazard event might occur. Table BPA 1-2 provides a numerical scoring system for assessing the probability of future hazard occurrences.

**Table BPA 1-2: Probability of Future Occurrence**

Score	Probability of Future Occurrence
1	Low – Highly unlikely, less than one occurrence expected in the next five years
2	Moderate – One occurrence expected in the next three to five years
3	High – At least one occurrence expected in the next three years

The probability of future occurrence for each hazard was derived using existing studies:

- Essex County Hazard Mitigation Plan (2008)
- State of New Jersey Hazard Mitigation Plan (2011)
- New Jersey Urban Area Security Initiative (NJ UASI) Regional Mass Evacuation Plan (2011)
- NY-NJ-CT-PA Regional Catastrophic Hazard Analysis (2011)

The results also reflect the experience and expert opinion of the planning team, and the following listing of major disaster and emergency declarations in New Jersey for the twenty-one year period between 1992 and 2012.

**Table BPA 1-3: New Jersey State Major Disaster Declarations 1992 - 2017**

Year	Month	Disaster Type	Number	Essex County?
1992	December	Severe storms and inland and coastal flooding	DR 936	
1993	March	Severe storms and flooding	EM 3106	Yes
1996	January	Blizzard	DR 1088	Yes
1996	October	Flash flood	DR 1145	
1997	August	Flooding	DR 1189	
1998	February	Coastal Storm	DR 1206	
1999	September	Hurricane Floyd	DR 1295	Yes
2000	August	Severe Storms, flooding and Mudslides	DR 1337	
2000	November	Virus Threat	EM 3156	Yes
2001	September	Terrorist Attack	EM 3169	Yes
2003	February	Heavy snow	DR 3181	Yes
2003	August	Power Outage	EM 3188	Yes
2004	July	Severe Storms and Flooding	DR 1530	
2004	September	Tropical Depression Ivan	DR 1563	
2005	April	Severe Storms and Flooding	DR 1588	
2005	October	Hurricane Katrina Evacuation	EM 3257	Yes
2006	July	Severe Storms and Flooding	DR 1653	
2007	April	Severe storms and inland and coastal flooding	DR 1694	Yes
2009	November	Tropical Depression Ida and Nor'easter	DR 1867	
2009	December	Snow Storm	DR 1873	
2010	February	Severe Winter Storm and Snow	DR 1889	
2010	April	Severe storms and flooding	DR 1897	Yes
2010	December	Severe Winter Storm and snowstorm	DR 1954	Yes
2011	August	Hurricane Irene	DR 4021	Yes
2011	September	Remnants of Tropical Storm Lee	DR 4039	
2011	October	Severe Storm Sandy	DR 4048	Yes
2012	June	Severe Storm and Straight-Line Winds	DR 4070	
2012	October	Hurricane Sandy and Nor'easter	DR 4086	Yes
2016	January	Severe Winter Storm and Snowstorm Jonas	DR 4254	Yes

Source: FEMA, online at [http://www.fema.gov/news/disasters\\_state.fema?id=34](http://www.fema.gov/news/disasters_state.fema?id=34)

The resulting Probability of Future Occurrence scores for each of the hazards identified in Section II are shown in Table BPA 1-8.

**Potential Severity of Impact – Injuries and Casualties** – indicates the possibility of injury or loss of life to City of Newark residents and first responders. The City of Newark is located in the northeast portion of New Jersey and is part of the New Jersey Urban Area Security Initiative Region. The City of Newark is the county seat for Essex County and is bounded by the Passaic River, Newark Bay and various municipalities. As of the 2010 Census, City of Newark is home to 277,140<sup>1</sup> persons living in 24 square miles of surface land area resulting in some of the most densely populated areas of the United States.

High population numbers and density increase the potential impact in terms of injuries and casualties for all types of hazards in the City of Newark. Table BPA 1-4 provides a numerical scoring system for assessing the potential impact in terms of injuries and casualties for future hazard occurrences.

**Table BPA 1-4: Potential Severity of Impact – Injuries and Casualties**

Score	Potential Severity of Impact – Injuries and Casualties
1	Low – None or minor injuries; no casualties
2	Moderate – Multiple injuries, few severe in nature; casualties in rare occurrences
3	High – Multiple severe injuries and/or casualties

The resulting Potential Severity of Impact – Injuries and Casualties scores for each of the hazards identified in Section II are shown in Table BPA 1-8.

**Potential Severity of Impact – Property Damage** – indicates the possibility of damage to City of Newark privately held property and City of Newark assets. The high population and density are also associated with attendant high property values which increase the potential impact in terms of property damage of all types of hazards in the City of Newark. Table BPA 1-5 provides a numerical scoring system for assessing the potential impact in terms of property damage for future hazard occurrences.

**Table BPA 1-5: Potential Severity of Impact – Property Damage**

Score	Potential Severity of Impact – Property Damage
1	Low – Localized impact or minimal damage to private and/or public property
2	Moderate – Multiple localized impacts, affecting up to 10% of private and/or public property
3	High – Damage to more than 10% of private and/or public property

The resulting Potential Severity of Impact – Property Damage scores for each of the hazards identified in Section II are shown in Table BPA 1-8.

**Potential Severity of Impact – Critical Infrastructure** – indicates the possibility of damage to key resources and critical infrastructure that City of Newark residents and emergency operations depend upon. The presence of nationally and regionally significant critical infrastructure in the City of Newark and throughout the NJ UASI region increases the potential impact of all types of hazards in the City of Newark. Table BPA 1-6 provides a numerical scoring system for assessing potential impact in terms of disruption to critical infrastructure for future hazard occurrences.

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<sup>1</sup> 2010 Census: <http://www.census.gov/>



**Table BPA 1-6: Potential Severity of Impact – Critical Infrastructure**

<b>Score</b>	<b>Potential Severity of Impact – Critical Infrastructure</b>
1	Low – Disruption of critical infrastructure for less than 12 hours
2	Moderate – Disruption of critical infrastructure for 12 hours to two days
3	High – Disruption of critical infrastructure for more than two days

The resulting Potential Severity of Impact – Critical Infrastructure scores for each of the hazards identified in Section II are shown in Table BPA 1-8.

**Advance Warning** – identifies which hazard events will allow for advance planning and mobilization or resources versus events that will occur with little or no warning. Table BPA 1-7 provides a numerical scoring system for assessing the level of advance warning for future hazard occurrences. It is important to note that for this criteria, the “lower” score is associated with the “higher” value, i.e., more advance warning is considered an advantage.

**Table BPA 1-7: Advance Warning**

<b>Score</b>	<b>Advance Warning</b>
1	High – Advance warning greater than three days
2	Moderate – Advance warning of one to three days
3	Low – No advance warning up to one day of advance warning

The resulting Advance Warning scores for each of the hazards identified in Section II are shown in Table BPA 1-8.

### **C. Relative Risk and Hazard Rankings**

The analysis of Relative Risk is solely for planning purposes, and serves as a mechanism for prioritizing actions related to the various hazards. The Relative Risk values are the result of averaging the scores for the various components included in this assessment.

The results of this calculation are shown in Table BPA 1-8. In addition, the list of hazards is displayed in descending order in Table BPA 1-9.

**Table BPA 1-8: Relative Risk**

City of Newark, New Jersey									
Category	#	Risk Description	Probability of Future Occurrence	Severity of Impact – Injuries & Casualties	Severity of Impact – Property Damage	Severity of Impact – Critical Infrastructure	Advance Warning	Relative Risk	Ranking
<b>Natural Hazards</b>	N-1	Drought	1	1	1	1	1	1.0	8
	N-2	Earthquakes	1	3	3	3	3	2.6	2
	N-3	Extreme Heat	3	2	1	1	2	1.8	5
	N-4	Floods	3	3	3	3	2	2.8	1
	N-5	Geologic Hazards	1	1	2	2	3	1.8	5
	N-6	Hail	2	1	1	1	2	1.4	7
	N-7	Hurricanes / Tropical Storms	2	3	3	3	2	2.6	2
	N-8	Lightning	3	2	1	1	2	1.8	5
	N-9	Nor'easters	2	3	3	3	2	2.6	2
	N-10	Tornadoes and High Winds	2	2	2	2	2	2.0	4
	N-11	Winter Storms	3	2	2	2	2	2.2	3
<b>Technological Hazards</b>	T-1	Aircraft Accidents	1	3	1	1	3	1.8	5
	T-2	Dam Failure	1	2	2	3	3	2.2	3
	T-3	Hazardous Materials Incident	3	1	1	2	3	2.0	4
	T-4	Highway Accidents	3	2	1	1	3	2.0	4
	T-5	Pipeline Explosion	1	2	1	2	3	1.8	5
	T-6	Radiological Accident	1	2	1	3	3	2.0	4
	T-7	Train Derailment (Passenger)	1	3	1	2	3	2.0	4
<b>Intentional Acts (Human Caused)</b>	I-1	Civil Disorder	1	2	1	2	3	1.8	5
	I-2	Cyber Terrorism	1	1	1	3	3	1.8	5
	I-3	School Violence	1	2	1	2	3	1.8	5
	I-4	Terrorist / Enemy Attack							
	I-4.1	Chemical Attack	1	3	1	2	3	2.0	4
	I-4.2	Radiological Attack	1	3	1	2	3	2.0	4
	I-4.3	Explosive Attack	1	3	2	2	3	2.2	3
	I-5	Urban Fire	3	2	1	1	3	2.0	4
<b>Utility</b>	U-1	Utility Disruption	3	1	1	3	3	2.2	3
<b>Biological Hazards</b>	B-1	Animal Disease (non-terror)	1	1	1	1	3	1.4	7
	B-2	Pandemic/ Infectious Disease	1	2	1	2	2	1.6	7
	B-3	Biological Attack							
	B-3.1	Infectious Disease	1	2	1	2	3	1.8	5
	B-3.2	Foreign Animal Disease	1	1	1	1	3	1.4	7

**Table BPA 1-9: Hazard Relative Risk Ranking**

City of Newark, New Jersey				
			Relative Risk	Ranking
Category	#	Risk Description		
<b>High (2.2-3)</b>	N-4	Floods	2.8	1
	N-2	Earthquakes	2.6	2
	N-7	Hurricanes / Tropical Storms	2.6	2
	N-9	Nor'easters	2.6	2
	N-11	Winter Storms	2.2	3
	T-2	Dam Failure	2.2	3
	I-4.3	Explosive Attack	2.2	3
	U-1	Utility Disruption	2.2	3
<b>Moderate (1.8 – 2.1)</b>	N-10	Tornadoes and High Winds	2.0	4
	T-6	Radiological Accident	2.0	4
	T-3	Hazardous Materials Incident	2.0	4
	T-4	Highway Accidents	2.0	4
	T-7	Train Derailment (Passenger)	2.0	4
	I-4.1	Chemical Attack	2.0	4
	I-4.2	Radiological Attack	2.0	4
	I-5	Urban Fire	2.0	4
	N-3	Extreme Heat	1.8	5
	N-5	Geologic Hazards	1.8	5
	N-8	Lightning	1.8	5
	T-1	Aircraft Accidents	1.8	5
	T-5	Pipeline Explosion	1.8	5
	I-1	Civil Disorder	2	5
	I-2	Cyber Terrorism	1.8	5
	I-3	School Violence	1.8	5
	B-3.1	Infectious Disease	1.8	5
<b>Low (1-1.7)</b>	B-3	Pandemic/ Infectious Disease	1.8	6
	N-6	Hail	1.4	7
	B-1	Animal Disease (non-terror)	1.4	7
	B-3.2	Foreign Animal Disease	1.4	7
	N-1	Drought	1	8

## **IV. Consequence Assessment**

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### **A. Overview**

Hazards impact people and communities adversely. The consequences of these impacts are the focus of emergency management operations. For example, if high winds cause a tree limb to fall on electric distribution lines, the lines may be broken and electric service disrupted. The consequences of this impact for emergency management may require the City of Newark to mobilize:

- Public works and engineering resources (ESF #3) to reopen blocked transportation routes due to tree limb debris and the downed electric line
- Mass care (ESF #6) support to provide shelters due to loss of power for constituents and the related problems with lack of home heating or cooling, potable water, and perishable food stock
- Emergency medical services (ESF #8) to treat severe injuries and casualties from the fallen limb and/or downed electric line
- Mobilization of generators for back-up energy due to loss of power for critical infrastructure, key resources, and essential government offices (ESF #12)
- Long-term community recovery (ESF #14) resources to address loss of revenue for businesses without power for extended periods of time

### **B. Impact and Consequence Descriptions**

Depending on the duration and extent of a specific hazard event, impacts can range from minor to catastrophic. For the purpose of this assessment, and to better understand the ways in which the capabilities of the City might be overwhelmed, each hazard event was assumed to have a duration and extent sufficient to cause large scale impact.

Table BPA 1-10 articulates impacts and consequences for the hazards with high relative risk rankings.

**Table BPA 1-10: Hazard Impact and Consequence Descriptions for High Relative Risk Hazards**

<b>Hazard</b>	<b>Impact Characterization</b>	<b>Consequences</b>
Floods	<ul style="list-style-type: none"> <li>• Damage or destruction to structures from rising waters</li> <li>• Damage to infrastructure such as roadways from flood waters and debris</li> <li>• Damage to electric generation facilities or distribution systems from rising waters</li> <li>• Damage to underground storage tanks</li> </ul>	<ul style="list-style-type: none"> <li>• Loss of access to public transportation systems</li> <li>• Blocked transportation routes due to rising waters</li> <li>• Loss of power in areas most impacted by flooding</li> <li>• Severe injuries and casualties from rising flood waters</li> <li>• Loss of revenue for businesses due to direct damages or lack of access</li> </ul>
Earthquakes	<ul style="list-style-type: none"> <li>• Damage or destruction to structures including roofs, walls, and other structural components</li> <li>• Damage to communications equipment, either direct or indirect (e.g., lines broken by fallen tree limbs)</li> <li>• Damage to electric distribution systems, either direct or indirect (e.g., lines broken by fallen tree limbs)</li> </ul>	<ul style="list-style-type: none"> <li>• Severe injuries and casualties for individuals within unreinforced structures</li> <li>• Blocked transportation routes due damaged infrastructure</li> <li>• Loss of power and related loss of communications for first responders and emergency managers</li> <li>• Loss of power for critical infrastructure, key resources, and essential government offices</li> <li>• Loss of power for constituents and related problems with lack of home heating or cooling, potable water, and perishable food stock</li> </ul>
Hurricanes / Tropical Storms	<ul style="list-style-type: none"> <li>• Damage or destruction to structures including roofs, doors, windows, either direct or indirect (e.g., wind-borne debris)</li> <li>• Damage to trees and vegetation causing fallen trees and debris in roadways</li> <li>• Damage to communications equipment, either direct or indirect (e.g., lines broken by fallen tree limbs)</li> <li>• Damage to electric distribution systems, either direct or indirect (e.g., lines broken by fallen tree limbs)</li> <li>• Damage or destruction to structures from rising waters</li> </ul>	<ul style="list-style-type: none"> <li>• Loss of power for public transportation systems</li> <li>• Blocked transportation routes due to tree limb debris and the downed electric line</li> <li>• Loss of power and related loss of communications for first responders and emergency managers</li> <li>• Loss of power for critical infrastructure, key resources, and essential government offices</li> <li>• Loss of power for constituents and related problems with lack of home heating or cooling, potable water, and perishable food stock</li> <li>• Severe injuries and casualties from fallen tree limbs and/or downed electric lines</li> <li>• Loss of revenue for businesses without power for extended periods of time</li> </ul>

Hazard	Impact Characterization	Consequences
Nor' Easters	<ul style="list-style-type: none"> <li>• Damage or destruction to structures including roofs, doors, windows, either direct or indirect (e.g., wind-borne debris)</li> <li>• Damage to trees and vegetation causing fallen trees and debris in roadways</li> <li>• Damage to communications equipment, either direct or indirect (e.g., lines broken by fallen tree limbs)</li> <li>• Damage to electric distribution systems, either direct or indirect (e.g., lines broken by fallen tree limbs)</li> </ul>	<ul style="list-style-type: none"> <li>• Loss of power for public transportation systems</li> <li>• Blocked transportation routes due to tree limb debris and the downed electric line</li> <li>• Loss of power and related loss of communications for first responders and emergency managers</li> <li>• Loss of power for critical infrastructure, key resources, and essential government offices</li> <li>• Loss of power for constituents and related problems with lack of home heating or cooling, potable water, and perishable food stock</li> <li>• Severe injuries and casualties from fallen tree limbs and/or downed electric lines</li> <li>• Loss of revenue for businesses without power for extended periods of time</li> </ul>
Winter Storms	<ul style="list-style-type: none"> <li>• Damage to trees and vegetation causing fallen trees and debris in roadways</li> <li>• Damage to communications equipment, either direct or indirect (e.g., lines broken by fallen tree limbs)</li> </ul> <p>Damage to electric distribution systems, either direct or indirect (e.g., lines broken by fallen tree limbs)</p>	<ul style="list-style-type: none"> <li>• Blocked transportation routes due to tree limb debris and the downed electric line</li> <li>• Loss of power and related loss of communications for first responders and emergency managers</li> <li>• Loss of power for critical infrastructure, key resources, and essential government offices</li> <li>• Loss of power for constituents and related problems with lack of home heating or cooling, potable water, and perishable food stock</li> <li>• Severe injuries and casualties from fallen tree limbs and/or downed electric lines</li> <li>• Loss of revenue for businesses without power for extended periods of time</li> </ul>
Dam Failure	<ul style="list-style-type: none"> <li>• Damage or destruction to structures from rising waters</li> <li>• Damage to infrastructure such as roadways from flood waters and debris</li> <li>• Damage to electric generation facilities or distribution systems from rising waters</li> <li>• Damage to underground storage tanks</li> </ul>	<ul style="list-style-type: none"> <li>• Loss of access to public transportation systems</li> <li>• Blocked transportation routes due to rising waters</li> <li>• Loss of power in areas most impacted by flooding</li> <li>• Severe injuries and casualties from rising flood waters</li> <li>• Loss of revenue for businesses due to direct damages or lack of access</li> </ul>
Explosive Attack	<ul style="list-style-type: none"> <li>• Damage or destruction to structures and infrastructure within the impacted area</li> </ul>	<ul style="list-style-type: none"> <li>• Severe injuries and casualties for individuals within the blast radius, both within structures and from debris</li> <li>• Long term impacts from exposure to airborne particles such as concrete dust</li> <li>• Temporary to permanent loss of critical facilities within the impacted area</li> <li>• Blocked transportation routes due to debris or security concerns</li> </ul>

Hazard	Impact Characterization	Consequences
Utility Disruption	Loss of power for a prolonged period of time	<ul style="list-style-type: none"> <li>• Loss of communications for first responders and emergency managers</li> <li>• Loss of power for critical infrastructure, key resources, and essential government offices without sufficient backup generation capability</li> <li>• Loss of power for constituents and related problems with lack of home heating or cooling, potable water, and perishable food stock</li> <li>• </li> </ul>

### **C. Consequence Assessment**

Based on the results of Table BPA 1-10, it is possible to identify which ESFs are implicated for these consequences and where appropriate, an assessment of the degree to which that ESF would be involved. The results of this assessment are shown in Table BPA 1-11 along with the relative risk rankings per Tables BPA 1-8 and BPA 1-9.

The consequences of each hazard were categorized as follows:

1. Most severe impacts to property and infrastructure, i.e., services are disrupted and/or structures are damaged, but there are little or no injuries or casualties; a major power outage is an example of this type of catastrophic event.
2. Most severe impacts to people. Low impacts to property and infrastructure, i.e., people and/or animals are affected, but there is little impact on structures or infrastructure; for example, an epidemic affecting a large proportion of the population
3. High impacts to people, property, and infrastructure, people, animals, structures and infrastructure are potentially impacted; widespread flooding over the NJ UASI Region is a relevant example

In addition to this categorization, each hazard was assigned a value regarding the anticipated level of involvement for each ESF. These are as follows:

1. ESF will have limited or no involvement
2. ESF will be main and/or sole focus of response and recovery efforts
3. Coordinated effort will be required between multiple ESFs

The three values, i.e., relative risk, consequence category, and level of ESF involvement are recorded in Table BPA 1-11. These three values, taken in combination, provide a means of identifying hazards which may be of greatest concern. For example, a hazard with high consequences and a high level of ESF involvement is most likely to overwhelm local resources. If the relative risk for such a hazard is also high, then it ought to be a priority for planning purposes

.



Table BPA 1-11: Consequence Assessment

City of Newark, New Jersey																			
			Relative Risk Rankings	Consequence	ESF #1 – Involvement	ESF #2 - Involvement	ESF #3 - Involvement	ESF #4 - Involvement	ESF #5 - Involvement	ESF #6 – Involvement	ESF #7 - Involvement	ESF #8 – Involvement	ESF #9 - Involvement	ESF #10 - Involvement	ESF #11 – Involvement	ESF #12 - Involvement	ESF #13 – Involvement	ESF #14 - Involvement	ESF #15 – Involvement
Category	Risk #	Risk Description																	
<b>Natural Hazards</b>	N-1	Drought	1.0	2	1	1	1	1	1	1	1	1	2	3	2	1	1	2	1
	N-2	Earthquakes	2.6	3	3	3	3	2	2	3	3	3	3	2	3	3	3	2	3
	N-3	Extreme Heat	1.8	2	1	1	1	1	1	2	1	1	2	2	2	1	2	1	2
	N-4	Floods	2.8	3	3	3	3	3	2	3	2	3	3	3	3	3	3	2	3
	N-5	Geologic Hazards	1.8	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	2
	N-6	Hail	1.4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	N-7	Hurricanes / Tropical Storms	2.6	3	3	3	3	2	3	2	3	3	3	3	3	3	3	2	3
	N-8	Lightning	1.8	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2
	N-9	Nor'easters	2.6	3	2	2	2	3	2	3	2	2	3	2	3	3	3	2	2
	N-10	Tornadoes and High Winds	2.0	3	2	2	2	2	2	2	3	2	3	2	3	2	3	2	3
	N-11	Winter Storms	2.2	1	2	2	2	1	2	1	1	2	1	2	2	2	2	1	2
<b>Technological Hazards</b>	T-1																		
	T-2																		
	T-3																		
	T-4																		
	T-5																		
	T-6																		
	T-7																		

City of Newark, New Jersey			Relative Risk Rankings	Consequence	ESF #1 – Involvement	ESF #2 - Involvement	ESF #3 - Involvement	ESF #4 - Involvement	ESF #5 - Involvement	ESF #6 – Involvement	ESF #7 - Involvement	ESF #8 – Involvement	ESF #9 - Involvement	ESF #10 - Involvement	ESF #11 – Involvement	ESF #12 - Involvement	ESF #13 – Involvement	ESF #14 - Involvement	ESF #15 – Involvement
Category	Risk #	Risk Description																	
<b>Intentional Acts (Human Caused)</b>	I-1	Civil Disorder	1.8	2	1	2	1	1	1	2	1	2	2	1	1	1	3	2	2
	I-2	Cyber Terrorism	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	I-3	School Violence	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	I-4	Terrorist/Enemy Attack																	
	I-4.1	Chemical Attack	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	I-4.2	Radiological Attack	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	I-4.3	Explosive Attack	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	I-5	Urban Fire	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Utility</b>	U-1	Utility Disruption	2.2	1	1	2	2	1	1	1	1	1	1	1	1	2	2	1	2
<b>Biological Hazards</b>	B-1	Animal Disease (non-terror)	1.4	2	1	1	1	1	1	1	1	1	1	2	2	1	2	1	2
	B-2	Pandemic/Infectious Disease	1.6	2	1	1	1	1	1	3	1	3	1	1	2	1	3	1	3
	B-3	Biological Attack																	
	B-3.1	Infectious Disease	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	B-3.2	Foreign Animal Disease	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

## **V. Capability Assessment**

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As of May 8, 2013, the City of Newark Office of Emergency Management and Homeland Security (CNOEM) is working with the New Jersey Office of Homeland Security and Preparedness (NJ OHS&P) to complete the New Jersey UASI Region Threat and Hazard Identification and Risk Assessment (THIRA). When completed, relevant issues in the THIRA regarding City of Newark capabilities will be referenced by CNOEM in this section of the City of Newark EOP.

## **VI. References**

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- City of Newark Office of Emergency Management (2008). City of Newark Emergency Operations Plan
- Essex County Office of Emergency Management (2008). Essex County Hazard Mitigation Plan
- Jurisdictional Risk Analysis: Essex County, New Jersey dated January 25, 2011, NJ OHS&P: Critical Infrastructure Protection Bureau
- State of New Jersey Hazard Mitigation Plan (2011)
- State of New Jersey Emergency Operations Plan (2010)
- NJ UASI Regional Mass Evacuation Plan (2011)
- NY-NJ-CT-PA Regional Catastrophic Hazard Analysis (2011)
- National Planning Scenarios (March 2006)
- U.S. DHS Target Capabilities List (September 2007)
- U.S. DHS National Preparedness Goal (September, 2011)
- U.S. DHS Crosswalk of Target Capabilities to Core Capabilities (December 2011)

## **BPA-2 Mutual Aid Agreements**

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There are verbal mutual aid agreements with the following municipalities or agencies:

1. Neighboring communities
  - a. Elizabeth (Union County)
  - b. Hillside (Union County)
  - c. Irvington (Essex County)
  - d. South Orange (Essex County)
  - e. Orange (Essex County)
  - f. East Orange (Essex County)
  - g. Bloomfield (Essex County)
  - h. Belleville (Essex County)
  - i. Kearny (Hudson County)
  - j. Harrison (Hudson County)
2. American Red Cross (Essex Chapter)
3. Essex County Office of Emergency Management
4. Superintendents of the Newark Board of Education
5. High School Principals of the Newark Board of Education
6. Newark International Airport
7. Port Authority of New York & New Jersey

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## **BPA-3 City of Newark Emergency Proclamations**

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### **BPA-3.1 Emergency Declaration**

TO ALL RESIDENTS AND PERSONS WITHIN THE CITY OF NEWARK, NEW JERSEY AND TO ALL DEPARTMENTS OF THE GOVERNMENT OF THE CITY OF NEWARK.

WHEREAS, pursuant to the powers vested by Chapter 251 of the laws of 1942, as amended and supplemented, N.J.S.A. App. A:9-30 et seq.; N.J.S.A. 40:48-1(6); N.J.S.A. 2C:33-1 et seq.; whichever law or laws apply, a local disaster emergency is declared to exist within the boundaries of the City of Newark, and

WHEREAS, the aforesaid laws authorize the promulgation of such orders, rules and regulations as are necessary to meet the various problems which have or may occur due to such emergency, and

WHEREAS, by reason of the conditions which currently exist in certain areas of the City of Newark, which may affect the health, safety and welfare of the people of the City of Newark, and

WHEREAS, it has been determined that these areas of the City of Newark should then be declared disaster areas and further that certain measures must be taken in order to insure that the authorities have the ability to perform emergency operations as well as maintaining an orderly flow of traffic, and further in order to protect the persons and property of the residents affected by the conditions, and

WHEREAS, the following areas are designated disaster areas:

\_\_\_\_\_  
\_\_\_\_\_

THEREFORE, IN ACCORDANCE WITH the aforesaid laws, it is promulgated and declared that the following regulations shall be in addition to all other laws of the State of New Jersey and the City of Newark,

1. There shall be no through traffic traversing the aforesaid area(s) except for the movement of police, fire, first aid or any other such vehicles as may be permitted by use or by authorized officials of this city.

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Director, Office of Emergency Management and Homeland Security

\_\_\_\_\_  
Date

**BPA-3.2 Termination of Emergency Declaration**

TO ALL RESIDENTS AND PERSONS WITHIN THE CITY OF NEWARK, NEW JERSEY AND TO ALL DEPARTMENTS OF THE GOVERNMENT OF THE CITY OF NEWARK.

WHEREAS, the local disaster emergency proclamation issued on the [Insert Date] day of [Insert Month], [Insert Year] at pursuant to the powers vested by the laws of the State of New Jersey is no longer necessary.

THEREFORE IN ACCORDANCE WITH the aforesaid laws, I do hereby declare that the local disaster emergency no longer exist and rescind the aforesaid proclamation.

\_\_\_\_\_  
Director, Office of Emergency Management and Homeland Security

\_\_\_\_\_  
Date



## BPA-4 Emergency Support Functions

**Table BPA-4.1 Emergency Support Functions Roles and Responsibilities Matrix**

Description	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
City of Newark Office of Emergency Management & Homeland Security	S	S	S	S	P	S	S	S	S	S	S	S	S	S	S
City of Newark Office of the Business Administrator		S			S	S	P					S		S	S
City of Newark Department of Administration, Energy Staff												P			
City of Newark Department of Administration, IT		P													S
City of Newark Department of Child and Family Well-Being	S			S		P	S	P		S	S			S	
City of Newark Department of Economic & Housing Development		S												P	
City of Newark Department of Engineering	P	S	P	S	S		S			S	S	S		S	
City of Newark Department of Law													S		
City of Newark Department of Neighborhood and Recreation Services	S		S								P				
City of Newark Department of Water and Sewer Utilities			S									S			
City of Newark Emergency Medical Services					S	S		S							
City of Newark Emergency Public Information Group (Communications Director, Public Information Officer, Press Secretary, Community Relations)					S	S									P
City of Newark Fire Department	S	S		P	S	S	S		P	P		S			S
City of Newark Police Department	S	S		S	S	S	S		S	S	S	S	P		S
City of Newark Board of Education						S	S								
City of Newark Parking Authority	S														
City of Newark Watershed Conservation and Development Corporation														S	
Essex County College Police													S		
Essex County Office of Emergency Management				S	S					S			S		
Essex County Fire Services				S											
Essex County Department of Parks, Recreation and Cultural Affairs											S				
Essex County Department of Public Works	S														
Essex County Prosecutor's Office													S		
Essex County Sheriff's Department									S				S		
Hudson County Fire Services				S											
Union County Fire Services				S											
New Jersey Board of Public Utilities												S			
New Jersey Department of Environmental Protection				S				S		S					
New Jersey Department of Health and Senior Services								S							
New Jersey Department of Human Services										S					
New Jersey Division of Fire, Mercer County Central Dispatch				S											
New Jersey Forest Fire Service				S											
New Jersey Historical Society											S				
New Jersey Institute of Technology, Department of Public Safety													S		
New Jersey National Guard	S														
New Jersey Office of Emergency Management	S				S										
New Jersey State Police, ROIC				S					S	S					S
New Jersey State Police, Hazardous Materials Response										S					
New Jersey State Police, Task Force One Urban Search and Rescue									S						
New Jersey Transit	S														
Passaic Valley Sewerage Authority				S						S					
Port Authority of New York and New Jersey				S						S					
Port Authority of New York and New Jersey Police Department													S		
Rutgers University Police Department													S		
University of Medicine and Dentistry of New Jersey Medical Service	S			S						S					
University of Medicine and Dentistry of New Jersey Police Department													S		
American Red Cross	S			S	S	S		S							
Bell & Siren Club				S											
City of Newark Humane Society											S				
Community and religious groups and other volunteer agencies						S									
Community Emergency Response Team					S	S									S
Interfaith Television Ministries															S
Lab Corp								S							
Midpoint, Inc.								S							
PSE&G												S			
Private Sector Communication Companies		S													
News Media															S

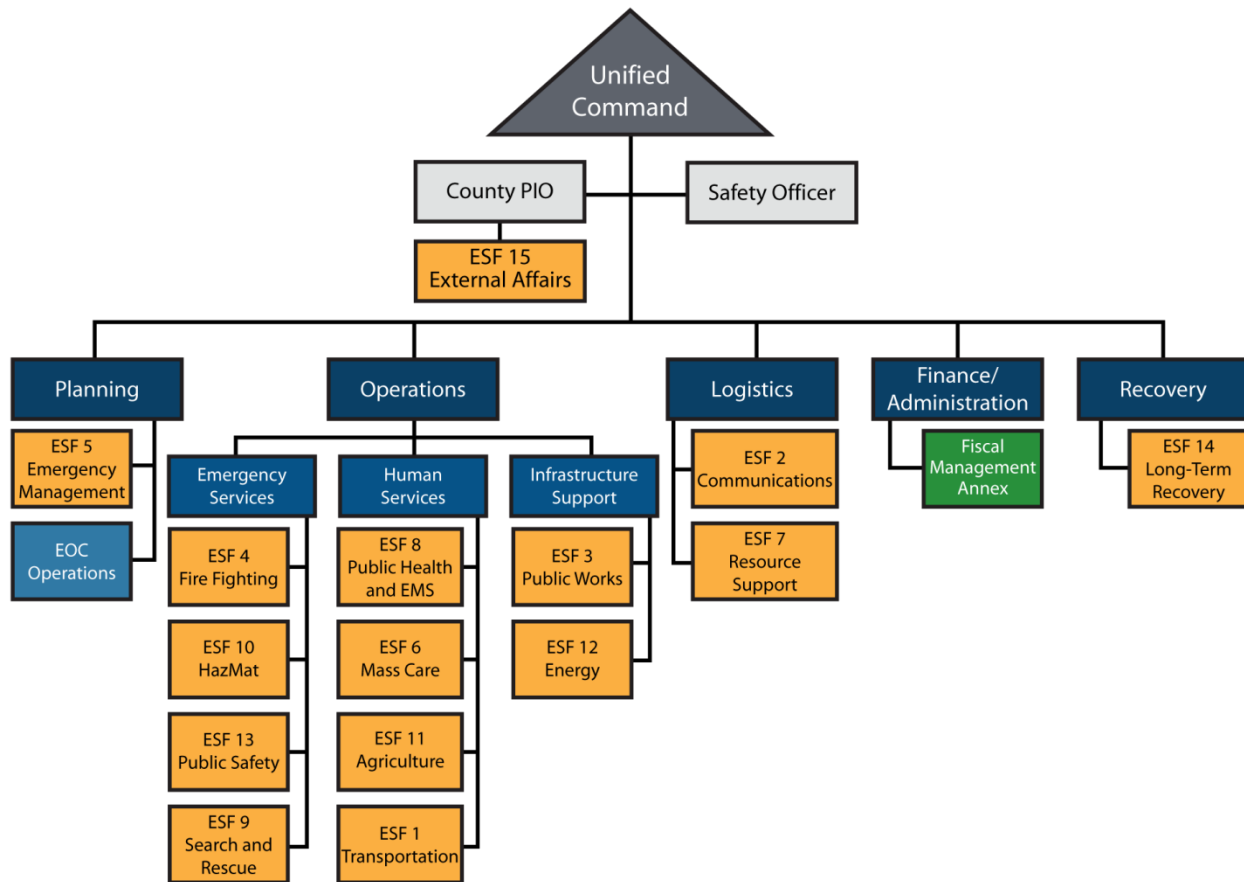
**Table BPA-4.2 Emergency Support Functions Roster**

<b>ESF</b>	<b>ESF Coordinator</b>	<b>Phone</b>	<b>E-mail</b>
1	Jack M. Nata, Manager, Division of Traffic & Signals, Department of Engineering	(973) 733-3985	<a href="mailto:nataj@ci.newark.nj.us">nataj@ci.newark.nj.us</a>
2	Christopher Darby, Chief Technology Officer, Division of Management and Budget, Department of Administration	(973) 733-3820	<a href="mailto:darbyc@ci.newark.nj.us">darbyc@ci.newark.nj.us</a>
3	Tharien Karim Arnold, Director, City of Newark Department of Neighborhood and Recreational Services	(973) 733-5373	<a href="mailto:arnoldt@ci.newark.nj.us">arnoldt@ci.newark.nj.us</a>
4	Chief John G. Centanni, Newark Fire Department	(973) 733-7423	<a href="mailto:centannij@ci.newark.nj.us">centannij@ci.newark.nj.us</a>
5	Keith Isaac, Director, City of Newark Office of Emergency Management & Homeland Security	(973) 877-9262	<a href="mailto:isaacke@ci.newark.nj.us">isaacke@ci.newark.nj.us</a>
6	Brian Harris, Program Coordinator, Surveillance & Prevention, City of Newark Department of Child and Family Well-Being	(973) 733-7561	<a href="mailto:harrisbr@ci.newark.nj.us">harrisbr@ci.newark.nj.us</a>
7	Adam E. Cruz, Assistant Business Administrator, City of Newark Department of Administration, Office of Business Administrator	(973) 733-5319	<a href="mailto:cruzad@ci.newark.nj.us">cruzad@ci.newark.nj.us</a>
8	Brian Harris, Program Coordinator, Surveillance & Prevention, City of Newark Department of Child and Family Well-Being	(973) 733-7561	<a href="mailto:harrisbr@ci.newark.nj.us">harrisbr@ci.newark.nj.us</a>
9	Chief John G. Centanni, Newark Fire Department	(973) 733-7423	<a href="mailto:centannij@ci.newark.nj.us">centannij@ci.newark.nj.us</a>
10	Chief John G. Centanni, Newark Fire Department	(973) 733-7423	<a href="mailto:centannij@ci.newark.nj.us">centannij@ci.newark.nj.us</a>
11	Tharien Karim Arnold, Director, City of Newark Department of Neighborhood and Recreational Services	(973) 733-5373	<a href="mailto:arnoldt@ci.newark.nj.us">arnoldt@ci.newark.nj.us</a>
12	Robert Thomas, Deputy Energy Coordinator / Energy Emergency Assurance Coordinator, City of Newark Department of Administration	(973) 733-3439	<a href="mailto:thomasr2@ci.newark.nj.us">thomasr2@ci.newark.nj.us</a>
13	Samuel A. DeMaio, Police Director, City of Newark Police Department	(973) 733-6007	<a href="mailto:demaio@ci.newark.nj.us">demaio@ci.newark.nj.us</a>
14	Adam Zipkin, Deputy Mayor/Director, Department of Economic and Housing Development	(973) 733-6575	
15	Dreena Whitfield, Press Secretary, City of Newark Press Information Office	(973) 733-8004	<a href="mailto:dehaartek@ci.newark.nj.us">dehaartek@ci.newark.nj.us</a>

## BPA-5 NIMS/ICS EOC ESF Structure

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Figure BPA-5.1: NIMS/ICS EOC ESF Structure



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## **BPA-6 Resolutions, Letters of Appointment**

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The following six (6) pages contain:

- Title Two, Administration, Chapter Five, Department of Administration of the Revised General Ordinances of the City of Newark, New Jersey, 2000, as amended May 19, 2004 authorizing the Office of Emergency Management in the Office of the Business Administrator.
- Title Two, Administration, Chapter Five, Department of Administration of the Revised General Ordinances of the City of Newark, New Jersey, 2000, as amended July 14, 2004 authorizing the Office of Homeland Security in the Office of the Business Administrator.
- Oath of Office, Keith Isaac, Director, City of Newark Office of Emergency Management, August 17, 2007 consistent with NJOEM Directive 102: Standards for Municipal Emergency Management Coordinators

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GFI MAY 05 2004  
No. 1st Reading

Ordinance

of the

City of Newark, N.J.

No. 655FF MAY 19 2004  
2nd Reg. and Final Passage8F 040704 2:5-1  
6PKWFF 05104 982 042104  
Date to Mayor 5-20-04  
Date Returned 6F 050504

Date Resubmitted

Date Admitted

1st Reading

Final Reading

Factual contents certified to by

No. Recommended  
Approval to Form and Legality of Bonds of this CityCity of Newark  
Corporation Council

Council member Council of the whole presents the following Ordinance:

AN ORDINANCE AMENDING TITLE TWO, ADMINISTRATION, CHAPTER FIVE, DEPARTMENT OF ADMINISTRATION, OF THE REVISED ORDINANCES OF THE CITY OF NEWARK, NEW JERSEY, 2000, AS AMENDED AND SUPPLEMENTED (BY REORGANIZING THE OFFICE OF THE BUSINESS ADMINISTRATOR WITHIN THE DEPARTMENT OF ADMINISTRATION), by adding the Office of Emergency Management.

Be it ordained by the Municipal Council of the City of Newark, New Jersey that Title 2, Administration, Chapter 5, Department of Administration, Section 2:5-1 of the Revised Ordinances of the City of Newark, 2000, as amended and supplemented be and is hereby amended and supplemented as follows:

SECTION 1. Section 2:5-1 is hereby amended to read in its entirety as follows:

2:5-1 Establishment and General Organization of Department.

There shall be a Department of Administration the head of which shall be the Business Administrator. The department shall consist of the Office of the Business Administrator and the following divisions:

- (a) Office of Management and Budget
- (b) Personnel
- (c) Central Purchasing
- (d) Office Services
- (e) Office of Emergency Management

65FFD  
071404

SECTION 2. There shall be within the Office of the Business Administrator an Office of Emergency Management.

The Office of Emergency Management shall be responsible for the following duties and responsibilities:

1. Developing emergency response plans and ensuring the City is able to successfully implement these plans.
2. Designing and conducting drills for different emergency scenarios.
3. Coordinating emergency management training.
4. Planning the interagency response for a wide range of emergencies including: biological, chemical, and nuclear terrorism; severe flooding; extreme heat; utility services disruptions; building collapses; and special events.
5. Establishing a Public-Private Emergency Partnership Program.

Supp 6/0

No. 65 1/2 FF

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MAY 19 2004

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6. Assisting Federal, State, County, and City officials and their respective constituents with disaster response and mitigation. 6FI
7. Providing the public with accurate, timely information regarding emergency management planning, response and hazard mitigation in the City of Newark.

SECTION 3. Any ordinances or parts thereof which are inconsistent herewith be and are hereby repealed.

SECTION 4. The ordinance shall take effect after first passage and publication in accordance with the laws of the State of New Jersey.

## STATEMENT

This ordinance establishes, within the Department of Administration, Office of the Business Administrator, an Office of Emergency Management that shall be transferred from the Fire Department.

CERTIFIED TO BY ME THIS  
25th DAY OF MAY, 2004

DO NOT USE SPACE BELOW THIS LINE

RECORD OF COUNCIL VOTE ON FINAL PASSAGE								RECORD OF COUNCIL VOTE ON FINAL PASSAGE							
Council Member	AYE	NAY	NV	AD	Council Member	AYE	NAY	NV	AD	Council Member	AYE	NAY	NV	AD	
AMADOR	<input checked="" type="checkbox"/>				QUINTANA	<input checked="" type="checkbox"/>				AMADOR					
BELL	<input checked="" type="checkbox"/>				TUCKER	<input checked="" type="checkbox"/>				BELL					
BRIDGEFORTH	<input checked="" type="checkbox"/>				WALKER	<input checked="" type="checkbox"/>				BRIDGEFORTH					
CORCHADO	<input checked="" type="checkbox"/>				BRADLEY				<input checked="" type="checkbox"/>	CORCHADO					
COUNFIELD JENKINS					President					COUNFIELD JENKINS					

☒ - Indicates Vote    

Adopted on first reading at a meeting of the Council of the City of Norwich, N.J., on MAY 19 2004 MAY 05 2004

adjusted as needed and fuel riding after leaving co-

Approved  
Signed \_\_\_\_\_

Heeloc N. Cordado ..... Daniel A. Doherty ..... Marako ..... City Clerk

This equipment was added to stock at the custody of the City Clerk. Certified copies are available.



6PhS&F-d 071404 SF 060204  
Ordinance

6FF JUN 16 2004  
No. 6FF 1st Reading

City of Newark, N. J.

6FF 061604 2:5-1  
Date to Mayor JUL 16 2004  
Date Returned 7-19-04

Ms. Public Hearing  
6S&F JUL 14 2004  
2nd Rdg. and Final Passage

6PhS&F D 071404

Date Reopened to Council  
Date Advertised  
1st Reading

No. Reconsidered  
Approved as to Form and Legality on Basis of Fees Set Forth

Final Reading  
Factual contents certified to be

Commissioner

City Clerk

Councilman Charles J. Fenton presents the following Ordinance:

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AN ORDINANCE AMENDING TITLE TWO, ADMINISTRATION, CHAPTER FIVE, DEPARTMENT OF ADMINISTRATION OF THE REVISED GENERAL ORDINANCES OF THE CITY OF NEWARK, NEW JERSEY, 2000, AS AMENDED AND SUPPLEMENTED (BY REORGANIZING THE OFFICE OF THE BUSINESS ADMINISTRATOR WITHIN THE DEPARTMENT OF ADMINISTRATION)

Be it ordained by the Municipal Council of the City of Newark, New Jersey that Title 2, Administration, Chapter 5, Department of Administration, Section 2:5-1 of the Revised General Ordinances of the City of Newark, New Jersey 2000, as amended and supplemented be and is amended and supplemented as follows:

SECTION 1. Section 2:5-1 is hereby amended to read in its entirety as follows:

2.5-1 Establishment and General Organization of Department.

There shall be a Department of Administration the head of which shall be the Business Administrator. The Department shall consist of the Office of the Business Administrator and the following divisions:

- (a) Office of Management and Budget
- (b) Personnel
- (c) Central Purchasing
- (d) Office Services
- (e) Office of Homeland Security
- (f) Office of Emergency Management

SECTION 2. There shall be within the Office of the Business Administrator an Office of Homeland Security.

The Office of Homeland Security shall be responsible for developing, coordinating and implementing a comprehensive City strategy to secure Newark from weapons of mass destruction, terrorists, and other security threats and attacks.

The Office shall coordinate the executive branch's effort to detect, prepare for, prevent, protect against, respond to, and recover from terrorist attacks. The Office shall identify, assess, and investigate, existing threats and potential threats that may provide a means to carry out an attack within the City, its assets and resources that exist beyond its geographical boundaries.

The Office of Homeland Security shall facilitate its mission through the identification, coordination and effective management of existing City resources and citizen participation. The effectiveness of the City's homeland initiative shall be maximized through the development of partnerships, mutual aid agreements, inclusion of existing County, State and Federal initiatives, homeland security funding, contractual agreements and any other logistical support component wherein efficiency and cost effectiveness shall be realized.

SECTION 3. The United States government has identified weapons of mass destruction as being biological, chemical and/or radiological in composition. The resources required

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to identify, assess and investigate weapons of mass destruction and/or respond to the effects caused by the use, or threatened use of such weapons, far exceeds the spectrum of conventional emergency response equipment and pre 9/11 training received for the public safety personnel who are tasked with responding to such incidents.

**SECTION 4.** To ensure that the resources utilized in detecting, assessing, investigating and/or responding to the use, or threatened use, of weapons of mass destruction are maximized to the extent of saving lives and preserving property, the Office of Homeland Security, under the direction of the Director, shall:

1. Provide for the policy development to implement the operational structure, logistical coordination, management and response by the following, primary public safety resources as it relates to homeland security. Further, upon consultation with the City's Business Administrator, the Director shall have the authority to assign the necessary personnel and equipment to support the homeland security operational structure in both its developmental and operational form.

The following are those public safety components, agency sub-divisions and support entities crucial to supporting the City's homeland initiative and mission:

- (a) Police Department
- (b) Fire Department
- (c) Office of Emergency Management
- (d) Department of Health and Human Services
- (e) Department of Engineering
- (f) Emergency Medical Services
- (g) Outside Agency Liaison
- (h) Municipal Watershed Commission
- (i) Various Contracted Professional Services
- (j) Public Utilities component
- (k) Public Information component
- (l) Public and/or Private Emergency Transportation
- (m) Citizen Participation and Awareness component

2. The Office of Homeland Security shall provide for the solicitation, acquisition, and equitable distribution of funding based upon the need to support the City's homeland initiatives and the consumption of resources commensurate with existing operations.
3. The Office of Homeland Security shall provide for the technical training and staffing of the City's Emergency Operations Center in times of heightened alerts, acts of terrorism and imminent threats of terrorism.
4. The Director of Homeland Security, Police, Fire and OEM and/or their designees shall have the authority to activate and staff the City's Emergency Operations Center when he/she deems necessary.
5. The Office of Homeland Security shall establish contingents of personnel, having the technical expertise, to identify, assess, investigate and remediate, threats and/or acts of terrorism. Said personnel shall have the technical expertise to identify violations of public health, safety and welfare and to act upon or make referrals upon identification of materials, persons or circumstances that have the contributory potential of facilitating a terrorist act or threat thereof.

The Director shall have the authority to establish a schedule for said personnel and/or provide for "ON CALL" and/or "RECALL" status during emergency situations involving a terrorist act or threat of a terrorist act, wherein the deployment of such contingents become necessary.



# The City of Newark



## Oath of Office

I, Keith Isaac, do solemnly swear that I will support the constitution of the United States and the constitution of the State of New Jersey, and that I will bear true faith and allegiance to the same and to the governments established in the United States and in this State, under the authority of the people.

I do solemnly swear that I will faithfully, impartially and justly perform all the duties of the office of Director, Office of Emergency Management of the City of Newark according to the best of my ability. So help me God.

*Seen and subscribed to before me:*  
this 17th day of August 2007

Robert P. Marasco  
City Clerk

## **BPA-7 Plan Development and Maintenance Recommendations**

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Per Base Plan Section VIII: Plan Development and Maintenance, the CNOEM Director, in conjunction with the City of Newark ESF Coordinators, is responsible for maintaining the City of Newark EOP and shall coordinate an annual comprehensive review and update process for the plan and its corresponding attachments (ESFs, support annexes, SOPs, incident annexes, etc.) with the participating ESF primary and support agencies. Annual reviews shall consider changes in hazard conditions and capabilities during the preceding planning period. Annual review and updates shall also consider and address appropriate recommendations contained in Appendix BPA-7: Plan Development and Maintenance Recommendations.

### **Base Plan**

- II.C.4: Provide the authorities for and policies on augmenting staff by reassigning public employees and soliciting volunteers, along with relevant liability provisions
- III.A: Determine relationship between ICS designations and ESFs and/or CNOEM staff and/or CN resources
- V.: Provide the following in this Section and/or in the appropriate ESF with reference information in the Base Plan:
- Long-term information collection, analysis, and dissemination strategies
  - Format for providing the information
  - Specific times the information is needed
- VI.: Identify warning systems and methods currently in use in the City of Newark (examples include sirens, reverse 911, mobile emergency operations/communications center, etc.) and cross reference with applicable information in ESF #2
- VI.: Provide the framework for delivering communications support and how the jurisdiction's communications integrate into the regional or national disaster communications network
- VI.: Provide summary of separate interoperable communications plans (VI.2) in this Section and/or in the appropriate ESF with reference information in the Base Plan.
- VII.A: Provide how legal questions/issues are resolved as a result of prevention, mitigation, preparedness, response, or recovery actions
- VII.C: Provide reporting, tracking resource needs, tracking the source and use of resources, acquiring ownership of resources, and process for compensating the owners of private property used by the jurisdiction here in the Base Plan or in ESF #7: Resource Support and reference here in the Base Plan
- VIII.: Provide overview and details of regularly scheduled training and exercise activities here in Base Plan and/or in attachments and/or in appropriate ESFs.

## **ESF #1**

- 1-IV.C.3: Work with OEM, ESF #3 and ESF #13 to review identified routes and determine if additional routes are appropriate including review of on-going evacuation planning efforts by NJ OEM and the RCPT
- 1-IV.C.4: Issues for future consideration include:
- Work with OEM and ESF #2 to describe how information will be made available to ESF #1 and in turn, how ESF #1 will process and make information available to any/all ESFs regarding the status of roadways, etc.
  - Include description of how traffic ~~and~~ signal systems are protected from service disruptions and/or how service will be restored if and when disruptions occur including coordination with ESF #12: Energy
  - Work with OEM and ESF #13 to identify how the need for staging areas and reception areas will be identified to ESF #1, and then identified and activated by ESF #1 including review of identified staging and reception areas
  - Work with OEM, ESF #7, and ESF #13 to identify how the need for transportation resources will be identified to ESF #1, and then identified and mobilized by ESF #1 including review of any existing agreements with rail lines, bus companies, University Hospital, etc. and development of reference materials for Appendix 1-8, Transportation Resources
  - Identify and describe actions to provide safe evacuation/transportation assistance to unaccompanied minors including actions to track unaccompanied minors and to reunite children with their families
  - Identify and describe actions to ensure availability of sufficient and timely accessible transportation to evacuate individuals with access and functional needs who do not have their own transportation resources including methods used to keep individuals with disabilities with their caregivers, mobility devices, other durable medical equipment, and/or service animals during an evacuation
  - Describe how accessible transportation resources (including paratransit service vehicles, school buses, municipal surface transit vehicles, drivers, and/or trained attendants) that can provide needed services during an evacuation are identified
  - Describe alternative transportation solutions that can be implemented when resources, systems, or infrastructure are damaged, unavailable, or overwhelmed
- 1-IV.C.5: Insert action(s) to address restoration/recovery of transportation infrastructure
- 1-IV.D: Insert additional ESF-specific communications protocols and procedures, as needed including any relevant information regarding the Regional Integrated Transportation Information System (RITIS)
- Appendix 1.5: Confirm current listed routes and supplement with additional routes per recommended work efforts with OEM, ESF #3 and ESF #13, prepare digital mapping version for use during emergency operations and evacuations, and insert and/or reference location of originals
- Appendix 1.7: Confirm accuracy and completeness of current mapping, and supplement with additional information per recommended work efforts with OEM and ESF #13, prepare digital mapping version for use during emergency operations and evacuations, and insert and/or reference location of originals

## **ESF #2**

2-IV.A: Issues for future consideration include:

- Are there pre-arranged contract agreements with private resource providers (e.g., telecommunications companies) that can be used before, during, or after emergencies? If so, compile list, original agreements and include information in Appendix 2-6
- Review and update resources and capabilities and relate to current or needed appendices
- Add information regarding the Mobile Telephone Emergency Alert System as the program becomes available and is implemented in your jurisdiction
- Develop and incorporate protection, restoration, and sustainment of local cyber and information technology resources for this ESF

2-IV.C.4: Issues for consideration include:

- Identify and describe actions by 9-1-1 dispatch centers to support/coordinate communications for the on-scene personnel/agencies, including alternate methods of service if 9-1-1 dispatch is out of operation (e.g., resource mobilization, documentation, backup)
- Describe how communications are made accessible to individuals with communication disabilities working in emergency operations, in accordance with the Americans with Disabilities Act
- Identify and describe the actions that shall be taken by an EOC to support and coordinate communications between the on- and off-scene personnel and agencies in order to establish and maintain a common operating picture of the emergency (radio frequencies, shelters, hospitals, data links, command post liaisons, communications vehicle/van, cell phones, etc.)
- Identify and describe the actions that shall be taken to identify and overcome communications shortfalls (e.g., personnel with incompatible equipment) with the use of alternative methods (e.g., Amateur Radio Emergency Services/Radio Amateur Civil Emergency Service at the command post/off-site locations, CB radios)
- Detail coordination with telecommunications and information technology industries

2-IV.C.5: Insert action(s) to address restoration/recovery of communications infrastructure

## **ESF #3**

The following agencies were identified as support in the City of Newark Public Works and Engineering and Damage Assessment Annexes: Building Code Enforcement Office, Child and Family Well-Being, Division of Sanitation, Essex County Office of Emergency Management, Construction Office, Administration, Division of Engineering and Contracts, Division of Traffic and Signals, Division of Demolition, Fire Sub-Code, Department of Health and Human Services, Division of Community Health, Division of Environmental Health, City of Newark Police Department, Division of Central Purchasing, The American Red Cross, Salvation Army, and The University Hospital. Determine if these agencies, volunteers groups, and private partners and their corresponding roles and responsibilities should be added as support agencies.

3-IV.A: Identify any pre-arranged contract agreements with private resource providers (e.g., bus companies and/or transportation providers) that can be used before, during, or after emergencies? If so, compile list, original agreements and include information as an appendix.

3-IV.C.3: Pre-identify potential trash collection and temporary storage sites, including final landfill sites for specific waste categories (e.g., vegetation, food, dead animals, hazardous and infectious wastes, construction debris, tires, vehicles, etc.)

3-IV.C.4: Issues for future consideration include:

- Provide reporting procedures that indicate a timeframe to collect, organize, and report damage information within the first 12-36 hours
- Identify and describe the actions that shall be taken to coordinate credentialing protocols so personnel have access to critical sites following an emergency
- Provide the actions taken to remove debris from roadways for each hazard addressed
- Identify critical locations (e.g., water and wastewater facilities) that need to be cleared of debris immediately to provide effective emergency services
- Identify and describe the actions that shall be taken to identify, prioritize, and coordinate the work to repair/restore local roads, bridges, and culverts (e.g., along city, county, township, state, interstate, and U.S. routes)
- Identify and describe the actions that shall be taken to repair/restore local water and wastewater systems (e.g., water/waste treatment plants, water/sewer lines, public/private wells), including providing temporary water distribution and wastewater collection systems until normal operations resume
- Identify and describe the actions that shall be taken to prioritize and coordinate the repair/restoration of services in coordination with private sector partners (e.g., gas, electric, phone), including conducting safety inspections before the general public is allowed to return to the impacted area
- Identify and describe the actions that shall be taken to identify, prioritize, and coordinate energy and utility problems with private sector partners that shall result from the emergency (e.g., shut off gas/electricity to flooded areas, restore critical systems, control underground water/gas main breaks)
- Identify and describe the actions that shall be taken to condemn, demolish, and dispose of structures that present a safety hazard to the public
- Identify and describe the actions that shall be taken to assess and resolve potential health issues related to the debris removal process (e.g., mosquito/fly infestation, hazardous and infectious wastes)
- Describe the methods by which the re-establishment of critical human services for children and their families, as well as individuals with disabilities and others with access and functional needs, will be accomplished
- Identify and describe the actions that shall be taken to incorporate and coordinate assistance from federal, state, and private organizations (e.g., Federal Highway Administration, state building inspectors/contractors, state/local historical preservation office, private contractors)
- Identify and describe the actions that shall be taken to communicate debris management instructions to the general public (e.g., separation/sorting of debris, scheduled pickup times, drop-off sites for different materials), including a process for issuing routine updates
- Identify and describe the actions that shall be taken to inspect and arrange for the inspection and subsequent disposal of contaminated food supplies (e.g., from restaurants, grocery stores)
- Identify and describe the actions that shall be taken to protect affected populations during an emergency when there are periods of extreme temperature and/or shortages of energy, including how the jurisdiction coordinates with energy-providing companies during outages
- Identify any additional specific ESF #3 response activities]

3-IV.E: Consider developing/attaching Demobilization Plan

3-IX.A: Include copies of the damage assessment forms used locally (e.g., state-adopted or state-recommended emergency management agency's damage and needs assessment form or a county equivalent)]



#### **ESF #4**

- 4-IV.C.4: Describe the process used to detect and suppress urban fires resulting from, or occurring coincidentally with an emergency response
- 4-IV.C.5: Insert action(s) to address restoration/recovery related to fire suppression activities, if any
- 4-IV.E: Consider developing/attaching Demobilization Plan

#### **ESF #5**

- 5-IV.A: Identify existing pre-arranged contracts and agreements to ensure contracts and agreements are in place for ESF #5 capacity and infrastructure restoration and provide copies as a separate appendix
- 5-IV.A: Describe role of ESF #5 in commodities distribution (See Commodities Distribution Initiative Briefing Materials)
- 5-IV.B: Describe the actions that shall be taken to notify and coordinate with adjacent jurisdiction(s) about a local emergency that could pose a risk (e.g., flash flood, chemical release, terrorist act.)
- 5-IV.C.3: Insert additional action(s) if any including preparations for commodities distribution (See Commodities Distribution Initiative Briefing Materials).
- 5-IV.C.4: Issues for future consideration include:
- Identify and describe the actions that shall be taken to implement the ICS and coordinate response operations, including identifying the key positions used to staff the ICS (e.g., Operations, Agency Liaisons, Safety) and using Federal Emergency Management Agency ICS forms
  - Describe how/where an Incident Command Post shall be established (e.g., chief's car, command bus, nearest enclosed structure) and how it shall be identified during the emergency (e.g., green light, flag, radio call)
  - Describe the process used to coordinate activities between the Incident Command Post and an activated EOC, including how/when an Incident Commander can request the activation of an EOC
  - Describe the process the Incident Commander shall use to secure additional resources/support when local assets are exhausted or become limited, including planned state, federal, and private assets
  - Describe the process the Incident Commander shall use to coordinate and integrate the unplanned arrival of individuals and volunteer groups into the response system and to clarify their limits on liability protection
  - Identify and describe the actions that shall be taken to gather essential information and assess the immediate risks posed by the emergency
  - Identify and describe the actions that shall be taken to receive and document the initial notification that an emergency has occurred
  - Describe how the initial assessment is disseminated/shared in order to make protective action decisions and establish response priorities, including the need to declare a state of emergency
  - Identify and describe the actions that shall be taken to coordinate, manage, and disseminate notifications effectively to alert/dispatch response and support agencies (e.g., 9-1-1 centers, individual fire/police dispatch offices, call trees) under all hazards and conditions
  - Identify and describe the actions that shall be taken to notify and coordinate with adjacent jurisdiction(s) about a local emergency that could pose a risk (e.g., flash flood, chemical release, terrorist act)
  - Identify any additional specific ESF #5 response activities including coordination activities for commodities distribution (See Commodities Distribution Initiative briefing materials)

5-IV.E: Consider developing/attaching Demobilization Plan

5-IX.A: Consider expanding appendices to include attachments regarding commodities distribution including FOG, identified sites, and related documentation

**ESF #6:**

6-I.A: Consider adding definition of “Disaster Housing” (See Disaster Housing Initiative Briefing Materials) and expanded description of related supply and distribution activities

6-III.A : Compare information regarding specific shelters needs to be compared with other shelter lists provided by NJ OHS&P et al and validated (See Disaster Housing Initiative Briefing Materials). See also Appendix 6.5

6-IV.A: Issues for future consideration include:

- Identify existing pre-arranged contracts and agreements to ensure contracts and agreements are in place and up-to-date for ESF #6 Mass Care and provide copies as a separate appendix
- Provide processes and procedures relating to public information dissemination and coordination with the PIO
- Describe partnership(s) between the jurisdiction’s emergency management agency, the animal control authority, the mass care provider(s), and the owner of each proposed congregate household pet sheltering facility
- Add information regarding "Reception and Sheltering Operational Coordination Teams" per Regional Emergency Mass Evacuation Plan as it becomes available

6-IV.C.2: Develop pre-developed emergency public information instructions on in-place sheltering for specific hazards

6-IV.C.3: Issues for future consideration include:

- Insert relevant preparedness action(s) including the need to identify, validate and maintain accurate, comprehensive information regarding available shelters and interim housing options. See Disaster Housing Briefing Materials issues related to validation and maintenance of information and lists.
- Describe criteria that can be used to expeditiously identify congregate household pet shelters and alternate facilities and identify and describe pre-emergency inspections and development of agreements for each congregate household pet facility

6-IV.C.4: Issues for future consideration include:

- Describe protocols and criteria used to decide when to recommend evacuation or sheltering-in-place and when to recommend termination of sheltering-in-place
- Describe actions to ensure that the Americans with Disabilities Act Accessibility Guidelines govern shelter site selection and operation
- Describe how shelters keep evacuees informed about the status of the emergency, including information about actions evacuees could need to take when returning home
- Provide methods by which necessary developmentally appropriate supplies (e.g., diapers, formula, age- appropriate foods) and medical equipment that will be needed during an emergency shall be addressed, to include supplies for children with disabilities and other special health care needs for this ESF
- Describe methods for ensuring adequate shelter space allocation is provided for children, as well as individuals with disabilities and others with Access and Functional Needs who could need additional space for assistive devices (e.g., wheelchairs, walkers)

- Describe mechanisms or processes for provision of emergency childcare services
- Describe actions to provide alternate shelter accommodations for evacuees from domestic violence shelters
- Describe mechanisms or processes for handling and providing for unaccompanied minors in shelters
- Describe actions and methods to provide care and support for institutionalized populations (e.g., long-term care and assisted living facilities, group homes), individuals with disabilities, and others with Access and Functional Needs (e.g., generators, medical and prescription support, personal assistance services, durable medical equipment, consumable medical supplies, childcare, transportation/ accessible transportation, foreign language interpreters), including their caregivers. This effort will include steps taken to ensure facilities are taking adequate preparations for providing care and support within reasonable limits and consistent with certification requirements
- Describe actions to identify and assist the return of evacuees to their homes/communities, including individuals with disabilities and others with Access and Functional Needs
- Describe methods to identify, screen, and handle evacuees exposed to the hazards posed by the emergency (e.g., infectious waste, polluted floodwaters, chemical hazards) and methods to keep shelters free of contamination
- Identify potential interim housing locations through the community and private sector and include the necessary MOUs/MOAs for identified interim housing locations
- Identify the coordination between reception and care activities with the Public Information Officer (PIO) and Evacuation Coordinator
- Include procedures on how designated personnel shall coordinate with the PIO to release shelter instructions
- Describe the following related to household pets or service animals:
  - Providing guidance to human shelter operators on the admission and treatment of service animals.
  - Reducing the risk of injury by an aggressive or frightened animal, the possibility of disease transmission, and other health risks for responders and volunteers staffing the congregate household pet shelter.
  - Identifying equipment and supplies that could be needed to operate each congregate household pet shelter, as well as supplies household pet owners could bring with them to the congregate shelter.
  - Registering (including identification of a current rabies vaccination for all animals), documenting, and tracking household pets that are provided with evacuation assistance including how to reunite with owners if separated during assisted evacuations.
  - Transporting household pets or service animals whose owners are dependent on public transportation
  - Providing physical security of each congregate household pet facility, including perimeter controls and security personnel.
  - Providing for housing of a variety of household pet species (e.g., size of crate/cage, temperature control, appropriate lighting).
  - Providing for sheltering of unclaimed animals that cannot be immediately transferred to an animal control shelter or when non-eligible animals are brought to a shelter.
  - Segregating or seizing household pets showing signs of abuse.
  - Providing for the setup and maintenance of household pet confinement areas (e.g., crates, cages, pens) for safety, cleanliness, and control of noise level, as well as a household pet first aid area inside each shelter.
  - Controlling fleas, ticks, and other pests at each congregate household pet shelter.
  - Segregating household pets to prevent the transmission of disease.
  - Relocating a household pet due to illness, injury, or aggression, to an alternate facility (e.g., veterinary clinic, animal control shelter).
  - Address long-term care, permanent relocation, or disposal of unclaimed pets.

- Addressing household pet waste and dead animal disposal.
- Describe arrangements in place with other jurisdictions for receiving their assistance in sheltering, including providing shelters when it is not practical locally (e.g., there are no available shelters or staff support)
- Work with ESF #12, Energy to communicate the locations and needs of individuals on life support systems, so reestablishing utility connections in the wake of an emergency can be prioritize
- Work with ESF #12, Energy to provide information regarding the location and needs of senior care facilities, so reestablishing utility connections in the wake of an emergency can be prioritized

6-IV.C.5: Insert action(s) to address restoration/recovery of mass care infrastructure

6-IV.E: Consider developing/attaching Demobilization Plan

Appendix 6.2.1: Clarify status of ARC/SA agreements, include final versions in Appendix 6.3, and provide reference in ESF #6

Appendix 6.5: Provide a complete listing of shelters, access and functional needs facilities and contact information, bulk supplies, points of distribution (PODs), sheltering-in-place protocols, sustainability, and pre-identified collection points for this ESF (See Disaster Housing Initiative Briefing Materials)

Appendix 6.6: Develop Shelter SOPs

#### **ESF #7:**

7-IV.A: Identify pre-arranged contract agreements with private resource providers (e.g., bus companies and/or transportation providers) that can be used before, during, or after emergencies? If so, compile list, original agreements and include information in as a separate appendix

7-IV.C.4: Issues for future consideration include:

- Describe plans for establishing logistical staging areas for internal and external response personnel, equipment, and supplies
- Describe strategies for transporting materials through restricted areas, quarantine lines, law enforcement checkpoints, and so forth that are agreed upon by all affected parties
- Describe the process used to identify, deploy, use, support, dismiss, and demobilize affiliated and spontaneous unaffiliated volunteers
- Describe the process used to manage unsolicited donations
- Describe the means by which incoming resource requests will be tracked, recorded, and monitored as they are fulfilled

7-IV.C.5: Insert action(s) if any to provide resource support during recovery operations

Appendix 7.9: Confirm content of Purchasing Manual, provide reference in ESF #7, and/or reference location of originals

**ESF #8:**

8-IV.A: Identify existing pre-arranged contracts and agreements to ensure contracts and agreements are in place for indicated resources related to public health and medical services capacity infrastructure restoration and provide as a separate appendix

8-IV.C: Identify and describe the actions that shall be taken to initiate, maintain, and demobilize medical surge capacity, including MOAs/MOUs/MAAs for medical facilities and equipment and categorize them in the subsections below to reflect the phase in which the actions shall occur.

*Note: The New Jersey Department of Health undertook a planning process to identify medical surge capacity and recommendations. As of 12.31.12, NJ DOH is reviewing the document. When available, this plan should be reviewed to identify relevant information to resolve the preceding recommendation.*

8-IV.C.3: Describe procedures for the licensing of out-of-state personnel to facilitate their deployment

8-IV.C.4: Issues for future consideration include:

- Describe the use and coordination of health professionals, incident commanders, and public information officers to issue public health media releases and alert the media
- Describe the use and coordination of health professionals from outside agencies to support local response needs (e.g., poison control centers, state/local departments of health, Centers for Disease Control and Prevention, Funeral Directors Association, U.S. Department of Agriculture, Food and Drug Administration, Medical Reserve Corps)
- Provide description of the actions the medical examiner shall take regarding the coordination and expansion of mortuary services
- Identify and describe the process for using hospitals, nursing homes, and/or other facilities as emergency treatment centers or as mass casualty collection points
- Outline a process to maintain a patient tracking and treatment system
- Provide agencies and methods used to provide alternate supplies of potable water
- Describe the agencies and methods used to provide alternate sources for human waste disposal (e.g., arrange portable latrines, encourage sharing with those who have their own septic systems)
- Describe the mechanisms or processes to effectively identify children and families who shall need additional assistance, as well as individuals with disabilities and others with access and functional needs, with their specific health-related needs in advance of, during, and following an emergency
- Describe the agencies and methods used to maintain efficient surveillance systems supported by information systems to facilitate early detection, reporting, mitigation, and evaluation of expected and unexpected public health conditions
- Identify the actions that shall be taken by emergency medical personnel to contain and stabilize an emergency (e.g., set up triage, provide initial treatment, identify access and functional needs, conduct/coordinate transport)
- Describe the actions that shall be taken to secure medical records to enable children with disabilities and/or other special health care needs, as well as individuals with disabilities and others with access and functional needs, to receive health care and sustained rehabilitation in advance of, during, and following an emergency
- Include actions that shall be taken to assess and provide mental health services for the general public (including individuals with disabilities and others with access and functional needs) impacted by the emergency
- Identify and describe the actions that shall be taken to assess and provide vector control services (e.g., insect and rodent controls, biological wastes/contamination, use of pesticides)

- Describe the actions that shall be taken to assess and provide animal care services (e.g., remove and dispose of carcasses, rescue/recover displaced household pets/livestock, provide emergency veterinary care, treat endangered wildlife) and the individuals/agencies used in this process (e.g., veterinarians, animal hospitals, Humane Society, state department of natural resources)
- Include actions that shall be taken to coordinate with private agencies to support on-scene medical operations (e.g., air ambulance, private Emergency Medical Services), including the process of staging and integrating those assets at the scene
- Incorporate the actions that shall be taken to decontaminate patients, individuals with access and functional needs, children, and household pets and service animals for exposure to chemical, biological, nuclear, and radiological hazards both at the scene of the emergency and at treatment facilities
- Describe the actions that health department personnel shall take to support on-scene medical and local hospitals in obtaining additional resources when local supplies are likely to be exhausted
- Identify the process for identifying shortfalls in medical supplies (e.g., backboards, medicines) and then acquiring those additional resources either locally or from external sources
- Identify and describe the actions that shall be taken to identify and respond to gravesites/cemeteries that are impacted by the emergency (e.g., recover and replace unearthed/floating/missing coffins, review records to confirm identification, manage closed/historical gravesites)
- Describe plans for recovering human remains, transferring them to the mortuary facility, establishing a family assistance center, assisting with personal effects recovery, conducting autopsies, identifying victims, and returning remains to the victims' families for final disposition
- Consider integrating CDC Public Health Emergency Preparedness Capabilities as part of evaluation and preparedness checklists

8-IV.C.5: Insert action(s) to address restoration/recovery of public health and medical services infrastructure

8-IV.E: Consider developing/attaching Demobilization Plan

8-V.B.2: Identify by position/title, who is responsible for coordinating mass fatality operations.

8-V.B.3: Issues for future consideration include:

- Identify mental health services and the agency that shall provide this for victims and workers.
- Identify the lead agency for providing health and medical support to individuals with disabilities and others with access and functional needs.
- Identify the organization responsible for providing triage and patient transport
- Identify mental health services, and the agency that shall provide this for victims and workers

8-IX: Provide a Mass Fatality/Mass Casualty Plan and incorporate appropriate components

#### **ESF #9:**

9-IV.A: Identify any existing pre-arranged contracts and agreements to ensure contracts and agreements are in place for indicated resources related to urban search and rescue and provide as an appendix

9-IV.C.4: Identify and describe actions to conduct structural collapse (urban) search and rescue, waterborne search and rescue, inland/wilderness search and rescue, and aeronautical search and rescue operations

- 9-IV.C.4: Identify and describe actions to monitor distress, communications, location of distressed personnel, coordination, and execution of rescue operations, including extrication or evacuation along with the provisioning of medical assistance and civilian services
- 9-IV.E: Consider developing/attaching Demobilization Plan
- 9-IX.A: Consider expanding appendices to include urban search and rescue related contact lists, resource lists, job aids, etc.

#### **ESF #10**

- 10-IV.A: Identify existing pre-arranged contracts and agreements to ensure contracts and agreements are in place for indicated resources related to ESF #10, Hazardous Materials and provide copies as an appendix
- 10-IV.C.4: Issues for future consideration include:
- Describe the methods to stabilize a release and prevent the spread of contamination
  - Describe the methods to detect and assess the extent of contamination (including sampling and analysis and environmental monitoring)
  - Describe the options for environmental cleanup and waste disposition; implementation of environmental cleanup; and storage, treatment, and disposal of oil and hazardous materials
- 10-IV.E: Consider developing/attaching Demobilization Plan
- 10-IX.A: Consider expanding appendices to include hazardous materials related contact lists, resources lists, job aids, etc.

#### **ESF #11**

- 11-IV.C.4: Issues for future consideration include:
- Identify and describe the actions that shall be taken to assess and provide food production and agricultural safety services (e.g., conducting a coordinated investigation of food and agricultural events or agricultural or animal disease outbreaks)
  - Address animal and plant disease and pest response
  - Describe the process to determine nutrition assistance needs, obtain appropriate food supplies, and arrange for delivery of the supplies
  - Describe the procedure for animal/owner reunification
  - Identify the response actions to preserve, conserve, rehabilitate, recover, and restore natural and cultural resources and historic properties
  - Identifies veterinarian resources within the jurisdiction
- 11-IX: Issues for future consideration include:
- Consider expanding appendices to include agriculture and natural resources related contract lists, resource lists, job aids, etc.
  - In coordination with ESF #6, Mass Care, review and update the Veterinary Service and Animal Care Annex

## **ESF #12**

- 12-IV.A: Identify pre-arranged contract agreements with private resource providers (e.g., fuel suppliers, generator vendors, etc.) that can be used before, during, or after emergencies? If so, compile list, original agreements and include information in Appendix 12-2
- 12-IV.C.1: Insert and additional prevention actions from the City of Newark Energy Assurance Plan, NJ Critical Infrastructure Protection Plan, etc.
- 12-IV.C.2: Insert relevant mitigation action(s) from the City of Newark Energy Assurance Plan, Essex County HMP, or other document(s)
- 12-IV.C.4: Issues for future consideration include:
- Describe measures for energy forecast
  - Describe the process to address significant disruptions in energy supplies for any reason, whether caused by physical disruption of energy transmission and distribution systems, unexpected operational failure of such systems, or unusual economic or international political events
  - Describe the process to address the impact that damage to an energy system in one geographic region could have on energy supplies, systems, and components in other regions relying on the same system
  - Work with ESF #6, Mass Care to gain the locations and needs of individuals on life support systems, so reestablishing utility connections in the wake of an emergency can be prioritized
  - Work with ESF #6, Mass Care to gain the locations and needs of senior care facilities, so reestablishing utility connections in the wake of an emergency can be prioritized
- 12-IV.C.5: Detail energy infrastructure assessment, repair, and restoration
- 12-IV.D: Describe energy industry utilities coordination to include information exchange with the EOC consistent with consistent with Action Item 3.e of the City of Newark Energy Assurance Plan

## **ESF #13**

- 13-IV.A: Identify existing pre-arranged contracts and agreements to ensure contracts and agreements are in place for ESF #13, Public Safety and Security and provide copies as an appendix
- 13-IV.C.4: Establish and include a credentialing system for entering the emergency site
- 13-IV.E: Consider developing/attaching Demobilization Plan
- 13-IX.A: Consider expanding appendices to include public safety and security related contact lists, resource lists, job aids, etc.
- Appendix 13.8: Confirm content of School Safety Plan include final versions in Appendix 13.8, provide reference in ESF #13, and/or reference location of originals
- Appendix 13.9: Confirm content of Terrorism Incident Annex, include final versions in Appendix 13.9, provide reference in ESF #13, and/or reference location of originals



#### **ESF #14**

- 14-IV.A: Identify existing and/or develop new pre-arranged contracts and agreements to ensure contracts and agreements are in place for indicated resources related to long-term community recovery and provide copies as an appendix
- 14-IV.C.4: Insert relevant response action(s) if any including coordinating information flow to/from private sector to mitigate effects on and facilitate recovery of the private sector (See Private Sector Integration Briefing Materials)
- 14-IV.C.5: Issues for future consideration include:
- Identify long-term recovery needs of access and functional needs populations and incorporating these needs into recovery strategies
  - Describe the coordination mechanisms and requirements for post-emergency assessments, plans, and activities
  - Describe the methods of identifying long-term environmental restoration issues
- 14-IV.E: Consider developing/attaching Demobilization Plan
- 14-IX: Issues for future consideration include:
- Consider expanding appendices to include long-term community recovery related contact lists, resources lists, job aids, etc.
  - Consider development of a pre-disaster recovery plan providing more detail regarding recovery operations, roles and responsibilities

#### **ESF #15**

- 15-IV.C.4: Include OEM prepared materials for managers of congregate care facilities, such as childcare centers, group homes, assisted living centers and nursing homes in this ESF
- 15-IV.C.5: Describe how agencies coordinate the decision to return evacuees to their homes, including informing evacuees about any health or physical access concerns or actions they should take when returning to homes/businesses.
- 15-IX.A: Consider expanding appendices to include external communications related contact lists, resource lists, job aids, etc.

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